

AMENDMENTS TO THE CLAIMS

Claims 1-22 (Canceled)

23. (New) A flow control or flow limitation device comprising:
a stent to be placed inside a vessel; and
a lining made of non-reactive material fixed inside the stent;
wherein the lining is inflatable and deflatable to control flow therethrough.
24. (New) The device of claim 23, wherein the stent is made of metallic material.
25. (New) The device of claim 23, wherein the stent is made of plastic material.
26. (New) The device of claim 23, wherein the stent is totally inflatable.
27. (New) The device of claim 23, wherein the stent is shaped as a ring.
28. (New) The device of claim 23, wherein the stent is of tubular shape.
29. (New) The device of claim 23, wherein the stent is of cylindrical shape.
30. (New) The device of claim 23, wherein the stent is of conical shape.
31. (New) The device of claim 23, wherein the stent is of pentagonal shape.
32. (New) The device of claim 23, wherein the lining is made of PTFE.
33. (New) The device of claim 23, wherein the lining is shaped as a valve.
34. (New) The device of claim 23, wherein the lining comprises successive narrowings of different sizes.
35. (New) The device of claim 23, wherein the lining encloses a compressible spongy mass.
36. (New) The device of claim 23, wherein the lining comprises a stenotic bioabsorbable material that allows for natural progressive lessening of flow limitation as the material is absorbed.

37. (New) The device of claim 23, wherein the lining comprises an engorgeable stenotic material that allows for progressive increasing of flow limitation as the material swells.
38. (New) A flow control or flow limitation method, the method comprising:
introducing the device of claim 23 into a vessel; and
inflating or deflating the lining to control or limit flow in the vessel.
39. (New) The method of claim 38, wherein the vessel comprises a blood vessel.
40. (New) The method of claim 39, wherein the vessel comprises a pulmonary artery.
41. (New) The method of claim 38, wherein the vessel comprises a urinary vessel.
42. (New) the method of claim 38, wherein the vessel comprises an industrial pipe.